

Abstract of The Disclosure

5 ~~Electric machines having a collector and brushes that can be pressed against it and having a supply of lubricant that is effective for preventing or reducing electric arcing between the collector and the brushes during operation of the machine and thus preventing the resulting pitting on the collector are known. Such pitting leads to uneven running of the electric machine. In the related art, the lubricant is~~
10 ~~sprayed onto the collector, or the entire length of the brushes is impregnated in vacuo.~~

A ~~According to the present method, the lubricant, e.g., an~~
A oil, is applied to the brushes ~~(19, 20)~~ only in the area of
5 A collector-side end faces ~~(29, 30)~~ before installing the
A brushes ~~(19, 20)~~ in the electric machine (2). The lubricant may be applied by spraying or by some other method.
Application of lubricant here is limited to the end faces
A ~~(29, 30)~~ of the brushes ~~(19, 20)~~ or to short partial lengths
20 A ~~(19a, 20a)~~ thereof adjacent to the end ~~faces~~.

A ~~faces.~~ By
A By limiting the supply of lubricant in this way, the lubricant is used up during run-in of the electric machine
A ~~(2)~~ or not too long thereafter, with the advantage that it
25 counteracts the risk of brush abrasion fines or collector abrasion fines collecting in grooves ~~(28)~~ between collector bars ~~(27)~~, which would be a disadvantage. The less abrasion
A fines deposited in the grooves ~~(28)~~, the lower is the risk
A of parasitic currents developing between the bars ~~(27)~~.

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~~(Figure 2)~~